## PATENT COOPERATION TREATY



# **PCT**

## INTERNATIONAL PRELIMINARY EXAMINATION REPORT

(PCT Article 36 and Rule 70)

Applicant's or agent's file reference 2002P12689WO	FOR FURTHER AC		ication of Transmittal of International Examination Report (Form PCT/IPEA/416)	
International application No. PCT/DE2003/002271	International filing dat 07 July 2003	· ·	Priority date (day/month/year) 07 August 2002 (07.08.2002)	
International Patent Classification (IPC) or n G01C 21/36	ational classification and	I IPC		
Applicant	SIEMENS AKTIEN	GESELLSCHAF	Т	
<ol> <li>This international preliminary examination report has been prepared by this International Preliminary Examining Authority and is transmitted to the applicant according to Article 36.</li> <li>This REPORT consists of a total of5 sheets, including this cover sheet.</li> <li>This report is also accompanied by ANNEXES, i.e., sheets of the description, claims and/or drawings which have been amended and are the basis for this report and/or sheets containing rectifications made before this Authority (see Rule 70.16 and Section 607 of the Administrative Instructions under the PCT).</li> <li>These annexes consist of a total of4 sheets.</li> </ol>				
3. This report contains indications relating to the following items:  I Basis of the report  II Priority  III Non-establishment of opinion with regard to novelty, inventive step and industrial applicability  IV Lack of unity of invention  V Reasoned statement under Article 35(2) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement				
VI Certain documents cited  VII Certain defects in the international application  VIII Certain observations on the international application				
Date of submission of the demand 27 February 2004 (27.02)	2.2004)	Date of completion 29 Se	of this report eptember 2004 (29.09.2004)	
Name and mailing address of the IPEA/EP		Authorized officer		
Facsimile No.		Telephone No.		

Translation



I	International application No.
	PCT/DE2003/0022

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1. With	regard to t	he elements of the international application:*				
	the international application as originally filed					
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the The	the lan the lan the lan or 55.3 th regard liminary e furnisl furnisl The s intern	the language, all the elements marked above were availal application was filed, unless otherwise indicated under the swere available or furnished to this Authority in the folguage of a translation furnished for the purposes of interguage of publication of the international application (underguage of the translation furnished for the purposes of ).  To any nucleotide and/or amino acid sequence of examination was carried out on the basis of the sequence and in the international application in written form. The objective with the international application in computer reached subsequently to this Authority in written form. The subsequently to this Authority in computer readable tatement that the subsequently furnished written secutional application as filed has been furnished. The tatement that the information recorded in computer returnished.  The mendments have resulted in the cancellation of:	lowing language national search (under Ruder Ruder Ruder As.3(b)). international preliminary lisclosed in the international listing: adable form. form. quence listing does not	which is: ale 23.1(b)).  examination (under Rule 55.2 and/ tional application, the international		
5. \[ * Re in an	This report this report of 70.17).	the description, pages1  the claims, Nos1-10  the drawings, sheets/fig  eport has been established as if (some of) the amendme d the disclosure as filed, as indicated in the Supplemental at sheets which have been furnished to the receiving Official of the amendment of the supplemental at sheets which have been furnished to the receiving Official of the amendment of the supplemental of the supplement	ce in response to an inviter report since they do n	tation under Article 14 are referred to not contain amendments (Rule 70.16		
** Ar	iy replace	ment sheet containing such amendments must be referred		•		

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	PCT/DE (	03/02271

1-5

NO

YES

NO

v. 	Reasoned statement under Article 35(2) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement			
1.	Statement		, , , , , , , , , , , , , , , , , , , ,	
	Novelty (N)	Claims	1-5	YES
		Claims		NO
	Inventive step (IS)	Claims	1-5	YES
		Claims		NO

2. Citations and explanations

Industrial applicability (IA)

Reference is made to the following document:

Claims

Claims

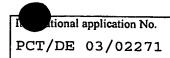
D1: US 2002/055808 A1 (MATSUMOTO SHINJI) 9 May 2002 (2002 - 05 - 09)

Document D1 is considered the prior art closest to 1. the subject matter of claim 1 and discloses (the references between parentheses refer to that document):

a method for displaying navigational information for a vehicle, in which method the navigational information is displayed in the form of a virtual pilot vehicle using an image of the vehicle environment (paragraph 36 and figure 4) and in which a virtual pilot vehicle is positioned on the image of the road such that it appears to travel in front of the driver at a reference distance dependent on speed (paragraph 42 and figure 6).

The subject matter of claim 1 thus differs from the known method in that driving too close to another vehicle is indicated by an actual vehicle being located in the image between the driver and the virtual vehicle.

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The subject matter of claim 1 is therefore novel (PCT Article 33(2)).

The present invention can thus be considered to address the problem of indicating in an intuitive and easily understandable manner if a vehicle is driving too close to another vehicle at a given speed.

The solution to this problem proposed in claim 1 of the present application involves an inventive step (PCT Article 33(3)) for the following reasons:

A representation in which it is indicated whether a vehicle is driving too close to another vehicle by means of a pilot vehicle displayed at the requisite minimum distance from the driver is neither known nor obvious.

Claims 2 to 4 are dependent on claim 1 and therefore likewise meet the PCT requirements for novelty and inventive step.

- 2. Claim 5 describes a device for displaying navigational information which is configured so as to carry out the steps indicated in claim 1. Consequently, claim 5 likewise meets the PCT requirements for novelty and inventive step.
- 3. Claims 1 to 5 are considered industrially applicable in the field of vehicle navigation systems.